Work Orde June-12-13 9:17	er ID 10295 7:20 AM	52		*109	952*							Page 1	
Revision ID:	D2137  Decal - No Step			Accept	*N900	<b>040</b>	100	)*	Setup	Start Stop	1.71	S1* S2*	
Start Date: Required Date: Reference:		art Qty: 12.00 eq'd Qty: 12.00	*12* *12*		Cust Item II Customer:	D:							
Approvals:	Process Plan:	MLS	Date: 13-06-13	Tooling:	Da Da	ite:			Run	Start	*N	R1*	
	QC:	·	Date:	<b>SPC (Y/N):</b>	, Da	ıte:				Stop	*N	R2*	
Sequence ID/ Work Center II	-	peration scription		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	
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QC Quality Control		Memo		0.00	<b>1</b>			•	_				

DQA:		Date	:		· ΔΑΡΤ									
QA Closed:		Date	:		WORK ORDER NON-CONFORMANCE / UPDATE  Work Order update only									
Work Orde	er:			•	DISPOSITION		AGAINST DEPARTMENT/PROCESS							,
Part No.  NCR No.				Rework Scrap Use-as-is Suspected Unapproved	Scrap Machining Small Fab Use-as-is Thermoforming Finishing		Crosstube Small Fab Finishing Composite	Prod. Eng. Coor.  Rec/Store/Packaging				Engineering Quality Other		
Root				Desci	ription of work order update		nitial	Actio	on		Sign &		$\neg$	
Cause	Da	te Step	Qty		or non-conformance	Ch	ief Eng	Descrip	otion		Date	Verification	,	QC Inspector
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved														
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Landi	ng Gear				General								_	
	Bending Centre Not Concentric Cracks Crimp/Kink/Ripple/Wave Cuffs Crushing Heat Treat Inspection Strip in Tube Marks/Chatter Turning Sequence			-	Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing Drill Holes Finish		Folio/Program Grain Hardware Inspection Incomplete/Unqualified Instructions Incomplete/Unclear Misaligned/off center Mislabeled Misread Off-set Out of Calibration				Outside Dim Over/Under Part Incorre Part Lost/Mi Part Moved Positioned V Power Loss/	tolerance ct ssing Vrong		Pressure/Forced Set-up Temperature/Cure Weld Wrong Stock Pulled Other
Wave/Twist in Tube				Fit/Function		Out of Sequence								

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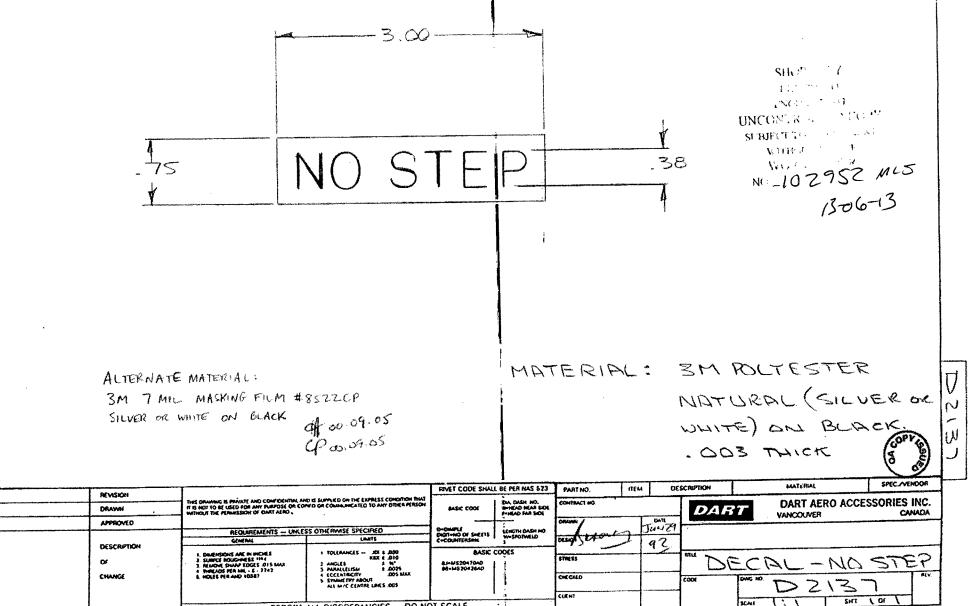
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Work Ord June-12-13 9:1		J2952 		*102	952*						Page 2
Item ID: Revision ID: Item Name:	D2137  Decal - No S	itep		Accept	*N900	<b>040</b>	100	)* s	Setup Sta	I	S1* S2*
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Sequence ID/ Work Center II 130 *130* Packaging Packaging	D	Operation Description Identify as per dwg & Sto	ock Location: <u>6A</u>	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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DQA:			Date:												DART
						WORK ORDER NON-CONFORMANCE / UPDATE									
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Work Orde	er:					DISPOSITION									
	_				_	Rework			Skid-tube	Crosstube		]	Water Jet		Engineering
Part N	No.					Scrap			Machining	Small Fab	-	Pro	d. Eng. Coor.	一	Quality
						Use-as-is			noforming	Finishing	$\overline{}$	4	re/Packaging		Other
NCR N	No			· <del>-</del> ···		Suspected Unapproved			Large Fab	Composite		Supplier			
Root	T				Desci	ription of work order update		Initial	Act	ion		Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	nief Eng	Descr	ription		Date	Verificatio	n	QC Inspector
Design															
Doc/Data															
Equip/Tooling	Ш														
Handling/Pre															
Material															
Operator															
Offset/Setup	Ш														
Process		:							-						
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REPORT ALL DISCREPANCIES - DO NOT SCALE

Studio de Lettrage 210 Main Street W Hawkesbury, Ontario K6A 2H6

# INVOICE

Invoice No.:

20311

Date:

06/21/2013

Ship Date:

Page:

Re: Order No.

WO10206

Sold to:

Dart Aerospace Ltd

1270 Aberdeen Hawkesbury, Ontario K6A 1K7

Ship to:

Dart Aerospace Ltd

Hawkesbury, Ontario

Business No.:	82500 7651 RT	0001				
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Comment:					Total Amount	452.00
Sold By:						1

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Customer:								
Studio Let	tPars							
Purchase Order #: Packing Slip #:	Part #: ()	Serial #:						
Description:	Quantity:							
Sticker	72							
Certification:	101							
We hereby certify that:								
The above the listed items were manufacts accordance with applicable drawings and/o		spected in						
All work was accomplished in accordance     Purchase Order;	with the Dart Aerospace	e						
3. Results of all inspections, chemical or physical tests, as well as other evidence, which shows the acceptability of raw materials, parts and/or assembly components are on file and available for inspection at any time.								
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Authority:								
Avery								
APPROVAL: V AD-11 8/F UACT	DATE:							
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APPROVAL: KAREN 8/E. UARIE Signature fue S6. Mai								
Title: Project Coordinate	R June .	21 2013.						

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# **PRODUCT DATA SHEET**



# Avery® IPM™ 2031

issued: 01/04/2005

Introduction

Avery® IPM™ 2031 is a high quality pressure-sensitive vinyl film, designed for use on wide format inkjet printers. Avery® IPM™ 2031 has excellent printing properties, allowing crisp print quality with bright and vibrant colours. Avery® IPM™ 2031 offers rapid ink drying and a water-resistant material. It combines good adhesion during its life and easy removal afterwards.

## Description

Facefilm:

80-micron premium white calendered, topcoated vinvl.

Adhesive:

removable, acrylic based

Backing paper: one side coated kraft paper, 140 g/m<sup>2</sup>

#### **Features**

- Excellent printability
- Vibrant and bright colours
- Crisp print quality
- Spray water resistant wit specific pigmented inks
- Good adhesion, excellent removability
- Warranty on outdoor durability

### Recommendations for use -

A wide variety of full-colour graphics for indoor - and **short/medium term outdoor** applications such as posters, murals, displays, exhibition stands, vehicle graphics etc. Avery<sup>®</sup> IPM<sup>™</sup> 2031 is suitable for application to a wide variety of substrates and will remove cleanly for up to 1 year after application.

IPM media should be handled with care as any surface contamination may affect the print quality. Media should be processed in an environment of 15-25°C and 30-70% relative humidity. After drying, the finished prints should be wrapped in polyethylene film and despatched flat or rolled with the printed side facing outwards. To protect prints against water, UV/light and abrasion, overlamination with a clear film is recommended. For specific details of Avery® DOL combinations, refer to "Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media"

Always test your combination of Avery<sup>®</sup> IPM™ medium, inkjet printer and inks prior to commercial use.

Compatibility

Avery<sup>®</sup> IPM<sup>™</sup> 2031 is compatible with a broad selection of inkjet printers, when printing with pigmented, water based inks. For specific details refer to "<u>Technical Bulletin 5.6 Avery Dennison Inkjet Print Media - Printer compatibility</u>".

**Durability:** 

Avery<sup>®</sup> IPM<sup>™</sup> 2031 is warranted for outdoor use in conjunction with pigmented outdoor inks from HP, Encad and Colorspan. The warranted period varies from type of application and type of overlaminate from 18 months up to 5 years. For full details, see our Avery<sup>®</sup> IPM<sup>™</sup> Outdoor warranty.





Graphics Division

Plindijk 86, P.O. Box 118

2394 ZG Hazerswoude – The Netherlands
Tef +31 71 3421500 – Fax +31 71 3421538

# PRODUCT CHARACTERISTICS

Averv® IPM™ 2031

### Physical properties

**Features** Test method1 Results Caliper, facefilm ISO 534 80 µm Gloss ISO 2813, 20° 1%

Dimensional stability **DIN 30646** 0.3 mm. max Adhesion, initial FINAT FTM-1, stainless steel 180 N/m Adhesion, ultimate FINAT FTM-1, stainless steel 260 N/m

Flammability Self extinguishing Accelerating ageing

DIN 53587, 500h exposure No negative impact on film Performance

Shelf life Stored at 22° C/50-55 % RH 2 years Removability up to 1 year

Not when applied to: Nitro-cellulose paints, ABS, Polystyrene, certain types of PVC

Durability<sup>2</sup> Overlaminated with DOL 4300 5 years

Overlaminated with DOL 1000, DOL 1100

with overlaps 3 years Overlaminated without overlaps

for static applications only 2 years

Without overlaminate and used for static. Non-abrasive application ONLY 18 months

Only when printed with ENCAD GO, HP and Colorspan pigmented inks and when properly applied in accordance with our application instructions. Only applicable for vertical exposure.

# Temperature range

**Features** Results

Application temperature Minimum: +10°C Service temperature -20°C to +80°C

### important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

Avery branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.

All Avery branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

### 1) Test methods

More information about our test methods can be found on our website.

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



